RESOURCE DEVELOPMENT COORDINATING COMMITTEE

Public Lands Section Department of Natural Resources – Room 2000 January 8, 2008 - 9:00am

Minutes

Members Present:

ZAREKARIZI, Susan – Parks BAILEY, Carmen DWR GUNNELL, Roy – UDAF WILCOX, Rick – SITLA SEDDON, Matt – State History GRUBAUGH-LITTIG. Pam – DOGM SCHLOTTHAUER, Bill – Div. Water Rights WILDE, Ken – DEQ/DDW HARTY, Kimm - UGS CLARK, Robert - DEQ/AQ SEDDON, Matt – State History DANIELS, Ron - Gov's Economic Advisory Office MENATTI, John – DEQ/DERR WIGLAMA, Jennifer - DFFSL QUICK, Shelly - DEQ/WQ PANAYOTOU, Dorrie – DEO/WO

Others Present:

CALL, Kenton – Forest Service KAHLOW, Cathy – Forest Service JEMMING, Jonathan – PLPCO WRIGHT, Carolyn – PLPCO PAYNE, Val - PLPCO MOWER, Michael - GOPB MYERS, Dave – Forest Service GARCIA, Tim – Forest Service

Susan Zarekarizi, Chair, called the meeting to order at approximately 9:00 a.m.

I. Approval of Minutes

STROMNESS, Rebecka – UDOT

The minutes from the December 11, 2007 meeting were amended with minor corrections from **Kimm Harty. Pamela Grubaugh-Littig** amended the minutes to read the Lila Canyon extension to the Horse Canyon Mine, the Parties (UtahAmerican Energy, Inc., Southern Utah Wilderness Alliance, and the Division of Oil, Gas, and Mining) on December 10, 2007 signed a Joint Motion to Approve a Stipulation and to Dismiss the Request for Agency Action. The motion passed to approve the minutes as amended by **Ken Wilde**, and seconded by **Bob Clark**. The minutes passed unanimously.

II. Presentations/Discussions

Draft EIS Wild and Scenic River Suitability Study for National Forest System Lands in Utah – Kenton, Call (Forest Service), Cathy Kahlin (Forest Service), Val Payne (PLPCO) – Cathy updated the Committee members on the purpose of the WSR Act, Congress passed the Wild and Scenic Rivers Act (WSRA) in 1968. The WSRA was intended as a complement to the nation's dam policy. Rivers designated as part of the wild and scenic rivers system would help protect water quality and fulfill the national

conservation purposes. The Draft is out comments are due to PLPCO by **February 8**, **2008.** Please see attached power point presentation for further details.

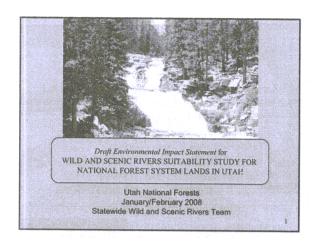
Quagga Mussels – Evan Freeman (DWR), Evan reported the mussels are native to Russia and have spread throughout Europe. The mussels have been sited in the Western US, Lower Colorado River, CA, AZ, NV, and Lake Powell, August 07. Please see attached power point presentation for further details.

III. Reports from Agencies on Any Anticipated Projects

No projects from agencies were given at this time.

IV. Adjournment

The meeting adjourned at approximately 10:10 am, the next meeting will be held at the Department of Natural Resources, room 2000.



Purpose of the WSR Act

- · Congress declared that the nation's dam policy be complemented with preserving selected rivers/segments
 - Protect water quality
 - Fulfill national conservation purposes
- · Free flowing condition and associated Outstandingly Remarkable Values of selected rivers shall be protected for present and future generations

The National Wild and Scenic Rivers System · Since passage of the WSR Act in 1968 - 163 rivers have been designated as wild, scenic, or recreational rivers. - 5,351 miles of wild, 2,457 miles of scenic, and 3,495 miles of recreational

- · Utah is one of a handful of states without a river segment designated in the national system.
- · More information can be found on the National Wild and Scenic River System website:

http://www.nps.gov/rivers/

Wild and Scenic Rivers in Surrounding States Idaho (Clarks Fork) WSR (USFS) Clearwater (Middle Fork) WSR (USFS) Rapid WSR (USFS) Saint Joe WSR (USFS) Salmon WSR (USFS) Colorado Salmon (Middle Fork) WSR (USFS) UTAH Cache La Poudre WSR (NPS/USFS) Snake WSR (USFS) Nevada - No WSR New Mexico Jemez (East Fork) WSR (USFS) Pecos WSR (USFS) Other Neighbor States California - 14 Arizona Rio Chama WSR (BLM/USFS) Oregon - 48 Verde WSR (USFS) Rio Grande WSR (BLM/USFS) Montana - 2 Washington - 3 ah Wild and Scenic River Suitabilit

Where Are We Now in the Process? 2 3 4 Eligibility Classification Suitability Designation Congress Opinion? * ORVSZ * Wild, Scenic h Wild and Scenic Riv

Step 3. **Determining Suitability** · Takes into account (among other things): Is this river a 'worthy addition' to the national system? Tradeoffs between development and protection Status of land ownership - Potential uses of the land and related waters Interest in designation or non-designation by federal, state, local, tribal, public and others Estimated costs for management and protection of ORVs Ability of agency to manage and/or protect the river - Historical or existing rights which could be affected

How is suitability determined?

- · Suitability is being analyzed by Team and documented in an Environmental Impact Statement (EIS).
- The Draft EIS explores key issues raised at public meetings and during a public scoping period in May/June 2007.
- In order to better understand the potential impacts of finding a river suitable, six alternatives were created for
- Once comments are received on a Draft EIS, a Final EIS will be prepared to accompany a Forest Service decision. The Record of Decision will contain a determination of what river segments are suitable on National Forest System lands in Utah,

Who will decide?

- The six Forest Supervisors in Utah will decide which rivers are found suitable.
 - Ashley National Forest Kevin Elliott
 - Dixie National Forest Robert Mac Whorter
 - Fishlake National Forests Vacant
 - Manti-La Sal National Forest Howard Sargent
 - Uinta National Forest Brian Ferebee
 - Wasatch-Cache National Forest -Brian Ferebee

Decision is a Recommendation

- Forest Service will consider comments on DEIS.
- Forest Service will release a Final EIS and Record of Decision. (Rivers not found suitable are released from further consideration.)
- Suitable river segments will be recommended to Secretary of Agriculture.
- Secretary of Agriculture may recommend suitable river segments to President of United States.
- President of United States may ask Congress to consider designation.
- Congress may designate some rivers and release others from further consideration.

Structure of DEIS

- Chapter 1 Overview of Wild and Scenic Rivers Act, key study issues, relationship with other agencies
- Chapter 2 Description of alternatives
- Chapter 3 Affected environment and environmental consequences
- Chapter 4 DEIS preparers
- · Chapter 5 References and glossary
- Appendices Suitability Evaluation Reports for each river segment, list of BLM rivers, requirements of WSRA, effects of managing as part of national system, maps related to valid existing water rights

Key Issues for DEIS

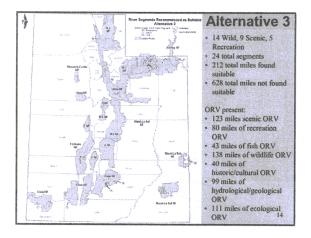
- Issue 1 Designation of river segments into the National Wild and Scenic River System may affect existing or future water resource project developments.
- Issue 2 Uses and activities may be precluded, limited, or enhanced if river segment and its corridor were included in the national system.
- · Issue 3 Designation of a Wild and Scenic River could change the economy of a community.
- Issue 4 Designation offers long-term protection of resource
- Issue 5 Consistency with wild and scenic river studies conducted by the Bureau of Land Management and National Park
- Issue 6 Consistency with state, county, and local government laws and plans.

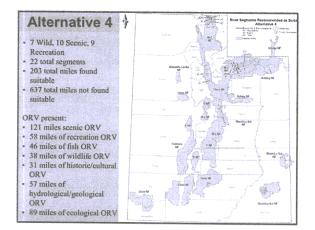
iah Wild and Scenic River Suitability

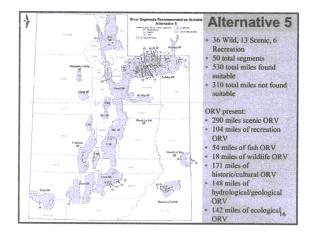
Alternatives for DFIS

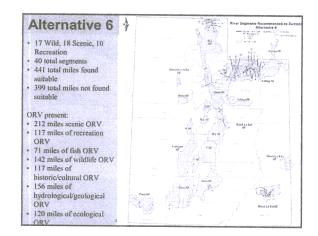
- Alternative 1 No action, maintain eligibility of all river segments.
- Alternative 2 No rivers found suitable, none recommended.
- Alternative 3 Recommend rivers that best represent Utah ORVs while having the least affect on existing or reasonably foresceable future water resources projects and other development activities. Alternative 4 Recommend rivers that best represent Utah ORVs that could be adversely affected by existing or reasonably foresceaf future water resources projects and other developmental activities.
- Alternative 5 Recommend rivers with low cost for management that are consistent with other Federal wild and scenic studies and which have limited negative impact to community economic development.
- Alternative 6 Recommend river segments recognized by public groups that represent a diversity of river systems in Utah and those that face future threats.

1 .17		Alt, 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Number of Classifications*	Wild	0	0	14	7	36	17
	Scenic Recreation	0	0	9 5	10	13 6	18 10
Total Number of River Segments*		0	0	24	22	50	40
Miles of River Segment by	Wild Seenic Recreation	0 0	0	131.8 55.6	46.9 64.1	393.9 88.6	216.4 112.8
Classification	Recreation		0	24.5	92.0	47.8	112.0
Total Miles of River Segments		0	a	212	203	530	441









Preferred Alternative • Alternative 3 has been identified by the six forest supervisors in Utah as the PREFERRED ALTERNATIVE. • "[They] feel this alternative will provide recognition of Utah's unique river ORVs that would contribute to the Wild and Scente River System, while resulting in the least impact to future planned development in the State while keeping long-term costs of management low" (DEIS 2-26).

Affected Environment and **Environmental Consequences**

- · The affected environment and environmental consequences have been combined into one chapter (Chapter 3).
- · The primary areas analyzed include:

recreation	fish/aquatics			
history/culture	gcology/hydrology			
botany	minerals			
roads	water development			
Self-lext	social/economic environment			
	botany			

How can you be involved?

- · Public Meetings
- · Comment on the Draft Environmental Impact Statement
 - Due Feb 15, 2008
- Future Meetings

Public Meeting Schedule

All Meetings are from 7:00-8:30 pm (7:00 presentation, 7:30 open house)

- January 8 Provo, Utah Courtyard Marriott, 1600 N. Freedom Blvd.
- January 9 Escalante, Utah Interagency Visitor's Center, 755 W. Main
- January 10 St. George, Utah Dixie Center, 1835 Convention Center Drive
- January 17 Richfield Snow College Richfield, 800 W. 200 S.
- January 22 Monticello San Juan County Courthouse, 117 S. Main
- January 23 Huntington Huntington Town Hall, 40 N. Main Street
- January 24 Vernal Western Park Arena, 302 E. 200 S.
- February 5 Ephraim Snow College, 150 E. College Avenue
- February 6 Salt Lake Salt Lake City Public Library (Main Branch), 210 E. 400 S.

What to comment on? Where to send your comments?

- The most useful comments on the DEIS are about whether the Forest Service identified a full range of alternatives, all relevant issues, and accurately disclosed the effects of each alternative.
- Your comments are welcome from December 7, 2007 to February 15, 2007.
- Email comments to: utahnfwsdeis@fscomments.org.
- Mail comments to: Utah NF Wild and Scenic River DEIS. P.O. Box 162969, Sacramento, CA 95816-2969,
- Fax comments to: 916-456-6724.

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For More Information

Project Website

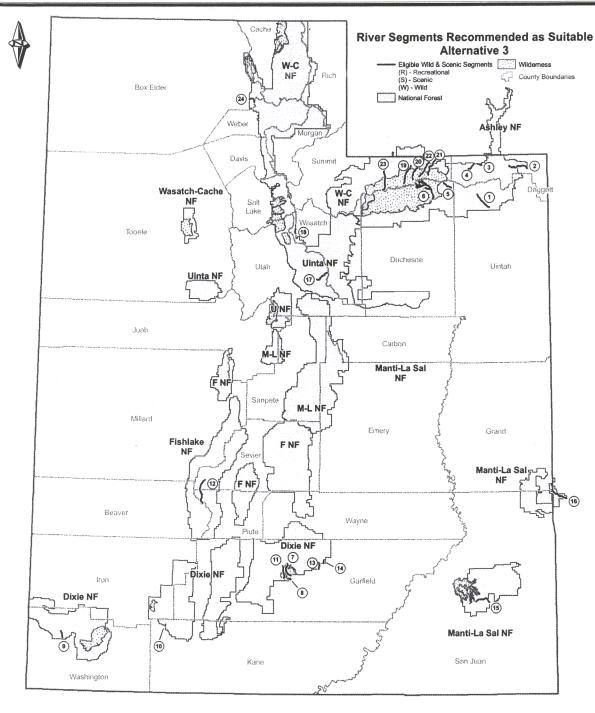
http://www.fs.fed.us/r4/rivers/

Contacts:

Cathy Kahlow, Forest Service (435) 783-4338 Val Payne, State of Utah (801) 537-9297

Kenton Call, Forest Service

(435) 865-3730



ASHLEY NATIONAL FOREST

- 1 Black Canyon (W)
- (2) Green River (S)
- (3) Lower Main Sheep Creek (R)
- 4 Middle Main Sheep Creek (R)
- 5 Reader Creek (S)
- (6) Upper Uinta River, including Gilbert Creek, Center Fork, and Painter Draw (W)

DIXIE NATIONAL FOREST

- 7 Death Hollow Creek (W)
- 8 Mamie Creek (W)
- (9) Moody Wash (W)
- 10 North Fork Virgin River (S)
- 11) Pine Creek (W)

FISHLAKE NATIONAL FOREST

- 12 Fish Creek (W) Upper; (R) Lower
- 13 Steep Creek (W) only 4 miles recommended under Alt. 3
 14 The Gulch (R)

MANTI-LA SAL NATIONAL FOREST

- (15) Hammond Canyon (S)
- 16 Roc Creek (W)

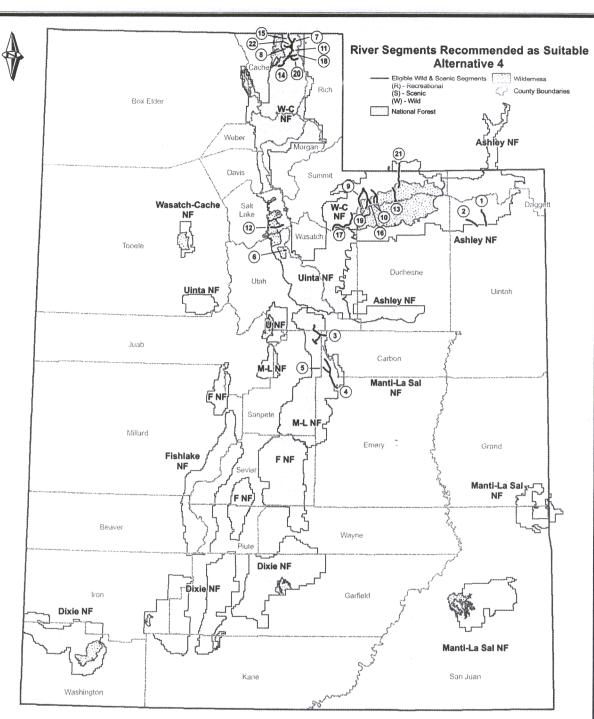
UINTA NATIONAL FOREST

- 17 Fifth Water Creek (S)
- 18 Little Provo Deer Creek (R)

WASATCH-CACHE NATIONAL FOREST

- (19) East Fork Smiths Fork: Red Castle Lake to Trailhead (W)
 (20) Henry's Fork: Henry's Fork Lake to Trailhead (W)

- Middle Fork Beaver Creek: Beaver Lake to Confluence with East Fork Beaver Creek (W) in wilderness; (S) below West Fork Beaver Creek: Source to Forest Boundary (W) in wilderness; (S) below
 West Fork Beaks Fork: Source to Trailhead (W) in wilderness; (S) below
 Wilderness; (S) below
 Wildard Creek: Source to Forest Boundary (S)



ASHLEY NATIONAL FOREST

- 1 Ashley Gorge Creek (W)
- 2 Lower Dry Fork Creek (R)

DIXIE NATIONAL FOREST

No Segments

FISHLAKE NATIONAL FOREST

No Segments

MANTI-LA SAL NATIONAL FOREST

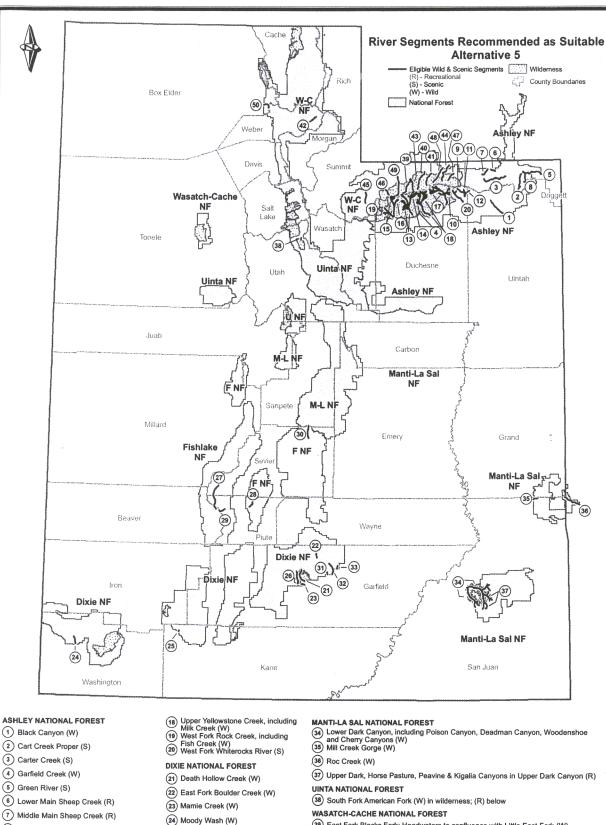
- (3) Fish and Gooseberry Creek (S) Upper Fish Creek and Lower Gooseberry; (R) Fish Creek Huntington Creek (R)
- 5 Lower Left Fork of Huntington (S)

UINTA NATIONAL FOREST

6 North Fork Provo River (W) in Wilderness; (R) below

WASATCH-CACHE NATIONAL FOREST

- 7 Beaver Creek: South Boundary of State Land to Mouth (R)
- 8 Bunchgrass Creek: Source to Mouth (S)
- 9 Hayden Fork: Source to Mouth (R)
- (10) Left, Right, and East Forks Bear River: Alsop Lake and Norice Lake to near Trailhead (W)
 (11) Little Bear Creek: Little Bear Spring to Mouth (S)
- 12 Little Cottonwood Creek: Source to Murray City Diversion (R)
- (13) Little East Fork: Source to Mouth (W)
- Logan River: Confluence with Beaver Creek to Bridge at Guinavah-Malibu Campground (R)
 Logan River: Idaho State line to confluence with Beaver Creek (S)
- (16) Ostler Fork: Source to Mouth (W)
- 17) Provo River: Trial Lake to U35 Bridge (R)
- (18) Spawn Creek: Source to Mouth (S)
- (19) Stillwater Fork: Source to Mouth (W) in Wilderness; (S) below
- 20 Temple Fork: Source to Mouth (S)
- (21) West Fork Smiths Fork: Source to Forest Boundary (W) in Wilderness; (S) below White Pine Creek: Source to Mouth (S)



- 8 Pipe Creek (S)
- Reader Creek (S)
- (10) Shale Creek and Tributaries (W)
- 11 Upper Whiterocks River (S)
- 12 East Fork Whiterocks River (S)
- (3) Upper Lake Fork River, including Ottoson and East Basin Creeks (W) Oweep Creek (W)
- (15) Upper Rock Creek (W)
- 16 Fall Creek (W)
- (17) Upper Uinta River, including Gilbert Creek, Center Fork, and Painter Draw (W)

- (25) North Fork Virgin River (S)
- 26) Pine Creek (W)

FISHLAKE NATIONAL FOREST

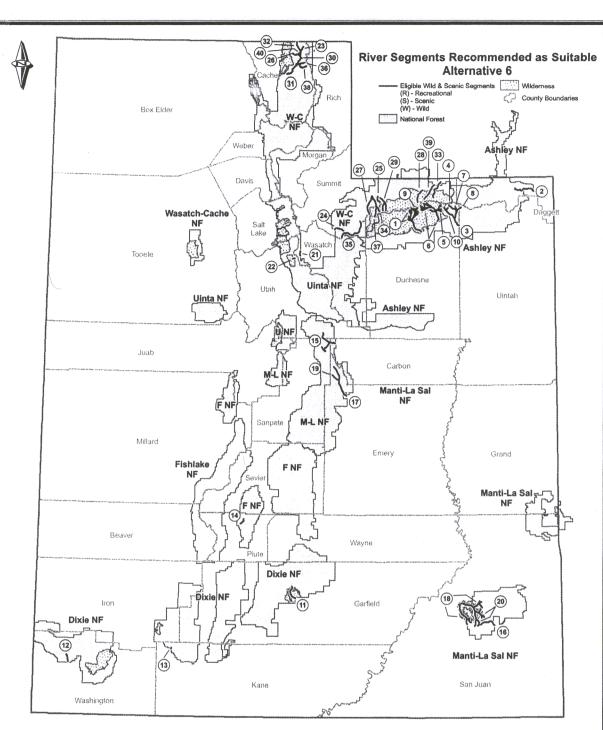
- (27) Fish Creek (W) Upper; (R) Lower
- (28) Manning Creek (W)
- (29) Pine Creek / Bullion Falls (W)
- 30 Salina Creek (W)
- 31) Slickrock (W)
- 32 Steep Creek (W)
- 33 The Gulch (R)

- (W) East Fork Blacks Fork: Headwaters to confluence with Little East Fork (W)
- (40) East Fork Smiths Fork: Red Castle Lake to Trailhead (W)
- (41) Henry's Fork: Henry's Fork Lake to Trailhead (W)
- (42) Left Fork South Fork Ogden River: Frost Canyon/Bear Canyon Confluence to
- Causey (W)

 (43) Little East Fork: Source to Mouth (W)
- Middle Fork Beaver Creek: Beaver Lake to Confluence with East Fork Beaver Creek
 (W) In wildemess; (S) below

 45 Middle Fork Weber River: Source to Forest Boundary (W)

- 46) Ostler Fork: Source to Mouth (W)
- 47) Thompson Creek: Source to Hoop Lake Diversion (W)
- (48) West Fork Beaver Creek: Source to Forest Boundary (W) in wilderness; (S) below
- (49) West Fork Blacks Fork: Source to Trailhead-(W) in wilderness; (S) below
- 50 Willard Creek: Source to Forest Boundary (S)



ASHLEY NATIONAL FOREST

- 1 Garfield Creek (W)
- (2) Green River (S)
- 3 Middle Whiterocks River (W)
- (4) Reader Creek (S)
- 5 Shale Creek and Tributaries (W)
- 6 Upper Uinta River, including Gilbert Creek, Center Fork and Painter Draw (W) 7 Upper Whiterocks River (S)
- 8 East Fork Whiterocks River (S)
- Upper Yellowstone Creek, including Milk Creek (W)
 West Fork Whiterocks River (S)

DIXIE NATIONAL FOREST

- (11) Death Hollow Creek (W)
- 12 Moody Wash (W)
- (3) North Fork Virgin River (S)

FISHLAKE NATIONAL FOREST

(W) Manning Creek (W)

MANTI-LA SAL NATIONAL FOREST

- 15 Fish and Gooseberry Creek (S) Upper Fish Creek and Lower Gooseberry; (R) Fish Creek
- (16) Hammond Canyon (S)
- (17) Huntington Creek (R)
- Lower Dark Canyon, including Poison Canyon, Deadman Canyon, Woodenshoe and Cherry Canyons (W)
- (19) Lower Left Fork of Huntington Creek (S)
- (20) Upper Dark, Horse Pasture, Peavine & Kigalia Canyons in Upper Dark Canyon (R)

UINTA NATIONAL FOREST

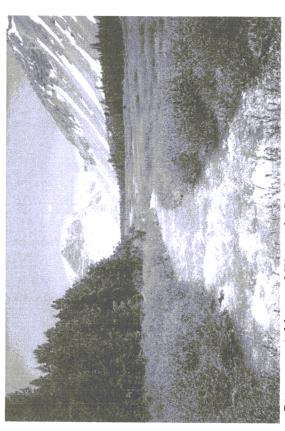
- 21) Little Provo Deer Creek (R)
- (22) North Fork Provo River (W) in Wilderness; (R) below

WASATCH-CACHE NATIONAL FOREST

- 23) Beaver Creek: South Boundary of State Land to Mouth (R)
- 24) Beaver Creek: Source to Forest Boundary (R)
- Boundary Creek: Source to Confluence with East Fork Bear River (W)
- 26 Bunchgrass Creek: Source to Mouth (S)
- 27) Hayden Fork: Source to Mouth (R)
- (W) Henrys Fork: Henry's Fork Lake to Trailhead (W)
- 29 Left, Right, and Forks of Bear River: Alsop Lake and Norice Lake to near Trailhead (W)

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- (35) Provo River: Trial Lake to UT-35 bridge (R)
- 36 Spawn Creek: Source to Mouth (S)
- 37) Stillwater Fork (W) in Wilderness; (S) below
- 38 Temple Fork: Source to Mouth (S)
- West Fork Beaver Creek: Source to Forest Boundary (W) in Wilderness; (S) below
- 40 White Pine Creek: Source to Mouth (S)

Come to a public meeting/open house to discuss the Forest Service's Draft EIS for Wild and Scenic Rivers Suitability!







February 6, Salt Lake – Salt Lake City Public Library (Main Branch), 210 E. 400 S. January 9, Escalante, Utah – Interagency Visitor's Center, 755 W. Main Street January 10, St. George, Utah - Dixie Center, 1835 Convention Center Drive All Meetings are from **7:00-8:30 pm** (7:00 presentation, 7:30 open house) For more information, http://www.fs.fed.us/r4/rivers/ or call (435) 865-3730 Kenton Call. January 22, Monticello – San Juan County Courthouse, 117 S. Main January 23, Huntington – Huntington Town Hall, 40 N. Main Street January 8, Provo, Utah - Courtyard Marriott, 1600 N. Freedom Blvd. January 17, Richfield – Snow College – Richfield, 800 W. 200 S. February 5, Ephraim - Snow College, 150 E. College Avenue January 24, Vernal – Western Park Arena, 302 E. 200 S.

Dreissena Mussels
Quagga & Zebra
A Threat To Utah

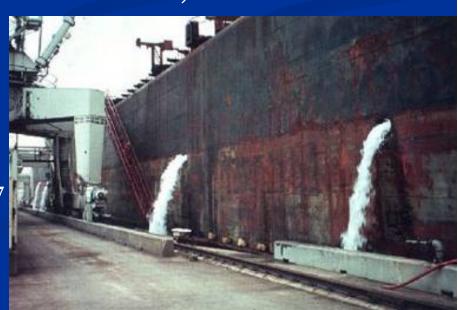
"forever keep them out or

forever live with them"

Utah Division of Wildlife Resources

Where Mussels Came From

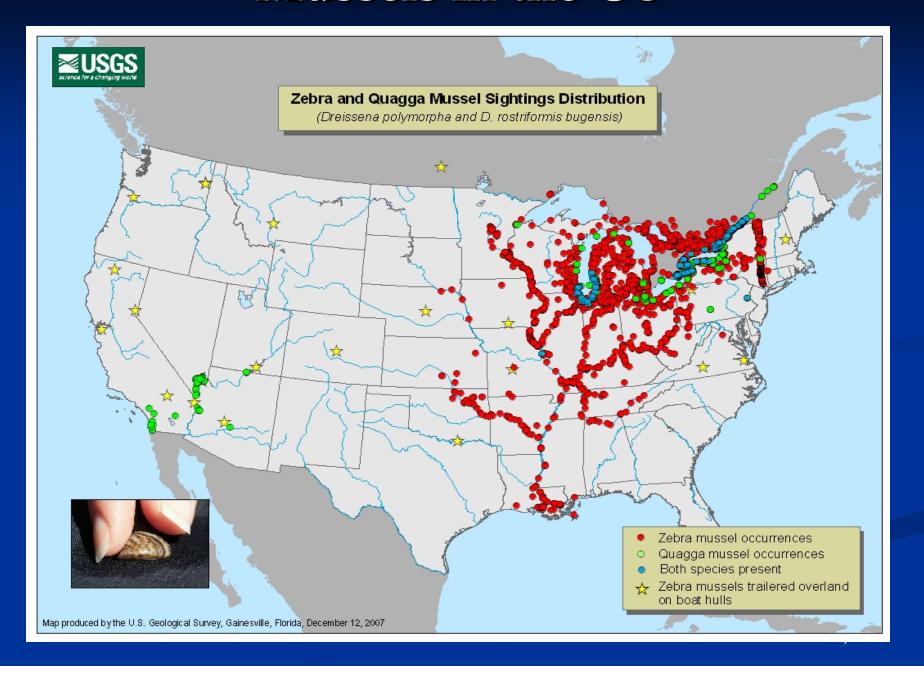
- Native to Russia--spread throughout Europe
- Arrived St. Lawrence Seaway via transoceanic ship's ballast—mid 1980s
- Spread Throughout Great Lakes--Canada & US
- Mississippi River Basin to New Orleans
- East & Mid West US (100th Meridian)
- 2007 Western US
 - *Lower Colorado River
 - *CA, AZ, NV
 - *Lake Powell, August 07



Mussels in the USA



Mussels in the US



Understanding Mussels

- Invasive, non-native species
- Quagga & Zebra Mussels--nearly identical
- Two-shelled mollusk like a clam
- Colonies can be 6" deep on entire lake bottom
- Quagga are a greater problem
 - Tolerates colder, deeper regions & uses soft surfaces
 - Quagga Displaces Zebra
 - Adult: Zebra = 12 mm; Quagga = 20 mm
 - Larvae: Veligers = microscopic to sand grain sized





Economic & Environmental Perspective

- Currently costs Eastern U.S. \approx \$1.5 billion/year
 - 51% Electric Industry, 31% Water treatment, Industrial 8%

Great Lakes Comparison

84% North America's surface water,
 18.5 Billion ac-ft

Mussels have pushed entire ecosystem

Lake Powell + Flaming Gorge =
 0.2 % volume of Great Lakes



Mussel Environment Impacts

- Quagga & Zebra Mussels Are Filter Feeders:
 - Remove plankton
 - Filter volume of Lake Erie in 36 hours!!
- Feces Cause High Coliform Counts
- Pseudo Feces Rots = oxygen depletion & smell
- Stimulate Toxic Blue-green Algae Bloom & Botulism
- Fish Size & Population Decrease
- Species Change
- Dead Shells (sharp) Litter Beaches

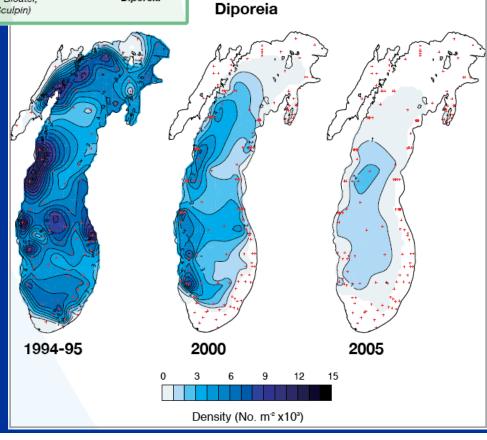


Aquatic Resources Impacts



Lake Ontario

Lake Trout numbers declined 95% in 10 years--WHY?



Utah's Waters

- *Plankton decrease

 Likely
- *Species change Likely
- *Decreased "K"

 (length & weight)

 Likely
- *Loss of native mollusks



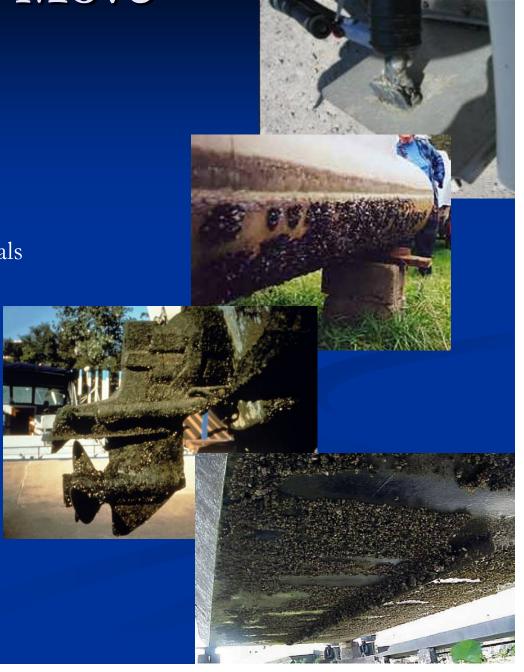
How Mussels Move

- Veligers drift downstream
- Boats are trailered from infested to non-infested waters
 - Failure to **Drain** bilge or live wells
 - Failure to **Dry** (5 days in UT)
 - Failure to **Remove** plants or animals
 - Failure to Wash w/HOT water

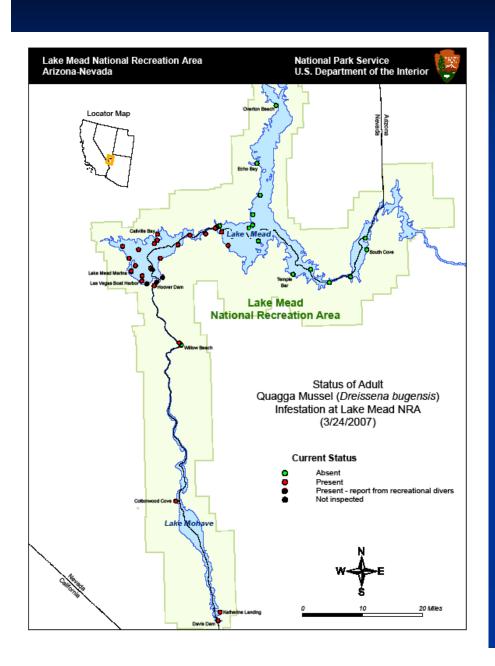
RISKS

Large boats on commercial trucks (huge)

Owner-pulled boats (less)



Mussels Western US Problem



January 2007

Quaggas found in

- Lakes Mead, Mohave& Havasu
- Colorado River
- NV fish hatcheries
- CA Reservoir (Copper Basin)

Mussels Now a Utah Problem

- Top 20 destinations of Lake Mead boaters
 - #3 Lake Powell
 - #11 Pineview Reservoir
 - #12 Bear Lake
 - #14 Willard Bay
 - #19 Jordanelle Reservoir
- August 2007– veligers detected in Lake Powell
 - Where do Lake Powell Boaters Go? EVERY WHERE
 - Once established, impossible to kill or remove them
- We can live with them (Estimated @ \$17 million/yr);
- But, it would be <u>much better</u> & <u>cheaper</u> WITHOUT

IMPACTS: Industrial Plants

- Constrict water intakes
- Constrict plant facilities
- Increases:
 - biologic load
 - corrosion
 - plant operation costs





IMPACTS: Water Conveyance/Storage Pipelines Impacts

- Over 1,200 miles of pipelines
- Greatly reduced flow capacity
- Increased maintenance \$\$\$\$

Canal Impacts

- About 4,600 miles of canals
- Open-channel flow capacity reduced
 - Earth-lined: 24% less flow
 - Concrete-lined: 52% less flow
- More maintenance \$\$\$\$
- 2ND Water Systems: plugged pipes & sprinklers

Reservoir Impacts

- 150 reservoirs @100+ ac (Storage/Recreation)
 - Seasonal Water Level Changes
 - Die Offs (fish & waterfowl)
 - Deteriorated water quality & odor
 - Difficult beach use: clean up \$\$\$\$







Successful Mussel Prevention Example

- Minnesota example: Land of 10,000 Lakes
 - 19 years exposure: commercial & recreation vessels
- 4 lakes & Mississippi River infested
- Effective Aquatic Nuisance Species Plan
 - Emphasis on public education & awareness
 - 12 full-time employees
 - 45 summer Watercraft Inspectors
 - Illegal drive w/any mussel life stage
 - \$2.3 million annual budget



Emergency Responses in Utah

Emergency Response Action by DNR

- DNR Policy: Prevent Invasion of Zebra Mussel Into Utah Waters
- UDWR: Lead Agency—Education via Interdiction & Containment, Outreach, Law Enforcement and Research
- SP&R: Outreach & Law Enforcement
- Division of Water Resources: Water Supply Mgmt & Threat/Data Analysis
- Collaboration with GCNRA (Lake Powell) & others
 (Includes Inter-state & Interagency Coordination—Routine "Mussel Folks" Conference Calls)
- Public education & awareness
 - Distributed 250,000 Zap the Zebra brochures (Includes all 65,000 UT Boat Owners)
 - Boat launch signs 6,000
 - Sportsmen group lectures
 - DWR & SP&R employee training

Emergency Mussel Plan for Utah

I. Workable UDWR Budget:

FY08 \$1,106,500

FY09 \$1,640,000

II. New UDWR Employees

Coordinators (2), Watercraft inspectors (29), Biologist I (5) & Conservation Officers (5)

- Fisheries: administration, education via interdiction & containment, monitoring/research
- Law Enforcement: develop & enforce rules
- Outreach: conduct public education & develop product

III. Special Boat Decontamination Equipment

IV. Training

Continued Collaboration Needed



Boat Pulled from Mead

